AVIATION PUSS MGGRAW-HILL PUBLISHING COMPANY, INC. APRIL 3, 1944



Competition Question Invested Out at CNF to the Aerobastics Boala memoers near exhibitive arguments for and against competition among big and little air carriers when the question of additional service between Boston and New York was debated last week. Left to right, Board members are Oswald Ryan, Vice-Chairman Edward Warner, Chairman Lowelche Pogue, Harliee Branch and Josh Lee.

Hull Maps Senate Committee Talks on World Air Policy

State Dept. to open full-scale program of consultation with Senate groups on problem of post-war organization, Senator Connally reveals......Page 7

Vast Fruit, Vegetable Potential Discussed at Detroit Total ranges from six times all airborne express in 1941 at 15 cents per ton mile to 968 times 1941 total at three-cent rate, survey shows.... Page 32

Tightened Draft May Take Many More Plane Workers Few deferment requests for men under 22 to be supported; technical and engineering branches likely to be hardest hit by new rules.....Page 9

ACCA Clarifies Industry's Stand on Cost-Plus Contracts

Aeronautical Chamber urges continuance of system in view of unusual success in meeting production schedules and quality of planes......Page 24.

CAB Cites Commercial Hazards in Reinsurance System Study points out international business relation

whereby important data may reach foreign interests to detriment of U.S. world commerce....Page 34 Domestic Airlines Resume Plans for New Financing

Northwest to offer stockholders rights to subscribe to 117,460 common; National arranges private

to 117,460 common; National arranges private financing for Jacksonville-N.Y. route.....Page 44

easons why you need x-ray for aircraft production













WHY CONSIDER IT? X-ray provides the only means of non-destructive and footproof internal impaction of parts and assemblies to control and improve quality, War products demand it today, keen nourwar competition between products and processes will demand

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x-ray, call your nearest Westinghouse office. Westinghouse Electric & Manufacturing Company, Dept. 7-N. East Pittsburgh, Pa.





THE AVIATION NEWS

Washington Observer

unide door over the monifold and confering the citagion indicates that, even if Selective Service gets all the so-called vulnerables in the will be maignificant against the appeared needs of the arred forces. On the other horse, this total, small in comparison, is in the age cutscury most in depend by the arrand forces. The effect on the abrerest industry will be mucked. of course, since many of these years used see ers. But the conclusion recon to be that the surereft infantry mucht as well prepare to produce to many phones as possible with available personnel, regardless of the departure of nen now regarded as vital to asbedale-meeting.

MANPOWER MOYES-Outside of the freet-

three months of this year is apportione payr 26 -

The AAF has the adverturement cars, sufficient corn in training and in the Aw Corns Enlisted Beserve to meet its present schedule for conbut crows and therefore must balance this nettrity with aver-all needs. Thus the conclusion usen then they have similares. The AAF somecetty plans to obverfee further, since the curfurther neiter excellental on our fiving terrethe notion will be familiar with our activities and the vital nature of our needs." Heat of the given before a Cangressional committee.

RECONVERSION-Action on reconversion he conflicting view prints of young blob officials. conversion progress as against the shaping of policies by executive agreeies. As painted a daty to recease for invisionies and proven countable action all obstacles and uncertainties in the path of restoration of the correctly





activities 1919 in the all fields of the world the significance of the Gatherine reads mark has been recent by the saving of sufflant of dellars in time, in equipment and in increased recovery of oil,

bertung dependable performance of the Garberron racked densi require. reliability and service of flag track supports, fire walls, morre mounts, embodied in America's fighters and bombon. With hydradic serges, dren knowers, precision machine tools and

the South's firest hest occasing facilities. Gatherson is receiving the most execting majoraring and manufacturing standards of the world. precision-built excapeners produced in one of Agrecia's fasse plants: And when years is man the Galberran



THE GUIBERSON GUIRERSON DIESEL ENGINE COMPANY

AVIATION NEWS . April 3, 1844

AVIATION NEWS THE PROTOS

THE STAFF

E-france

Published and Every National Press Building

Adversisers Index

TURNOVER-Turnover or "quit" rate in airmannewer officials as much today as the rate sone-the same given for a ban on coulon movements in the 140-raile strip of the Best-40,000 men to mountain proper rate of produce sah coast faring occupsed France, the Nether-

REARING SHORYAGE-Chief heafache al the manpower-production front new appears to A very critical manyeuver charlege is being given attention and software are that 5.600 new resplexees weeds have to be charmeled late the eleven half-bearing plants that produce the Sight that WHC has recorded to observe persons sive seetheds in some orritors to force moude late these pleats. In Hartford, tentimony shares workers too off by other melestries, were refound availability certificates for less currettal

want in an effort to force there sate a half-hearing plant at near-by Bristol, Com. Effort backfred, though, and these wachers west on relief. this committee, which has be partition expused.

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NATIONAL SERVICE ACT-CONGRESS CONtimes cool toward National Service legislation and weshably will continue to be as thin circcontrary of efficiency who exerced that it is the only mover to the sumpower problem. This continued precure subrates to some observers in Washington a featherry to place as the Conhe ris persont moned, Congress in rest Blocks to take this pressure vothess fighting back-if it comm to a showdown.

OTHER MERCERS-Proposed resources of sidered, though perhaps not yet to the point of

POST-WAR POLICIES--Lask of appendixon either in consessities or on the floor of the Boune to establishment of a solver committee that will usual trend to thesking on this conblors contiredsely as remeds the head of pracetime faction to experies conseally that Congress to Overlang plang there fires and the industry sheedd and will folker closely the activation of

It to keep the war effort on the highest plane-

AVIATION NEWS . April 2, 1944



CHALLENGE: MAKE A BRAKE TUBE THAT WILL STOP THIS PLANE AT 450 BELOW YERO B. F. Goodrich engineers met the

now on, it said, release years function. efficiently in our transcruter from about 600°F, an -65°F. The high The former low limit was -40'. Here's what they were up number. Most published, but proved and came. Then there was another problem, A new brake fluid, and to

The new Air Corps spec for FT

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Today, all our research and praduction facilities are genred to total war. Tamerrow, the "know haw" we're gaining new will help bring you a world of sefer flight. The B. F. Geodrich Co., Auronautical Division, Akron, O.

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MAKERS OF MORE THAN BO RUBBER AND SYNTHETIC RUBBER AVIATION PRODUCTS AVIATION NEWS . April 3, 1944

Hull, Congress May Merge Forces In Formulating World Air Policy

Scace Dept. to open full-scale program of consultation with Senate committee on problem of post-war organization, Sen. Connally reveals.

Cepted Hill and the State Dev. and with American forcists policy. partment more may mergy their inces to attend to the organi bass- of which there is a wide apportor on mul-way international rapid pragrass in resolving the coveries problems of unions isonal are teasurage must be made. They Condell Hall will loaned a fully blanken-Algority informal linear

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MODEL OF NEW 160-MPH, WIND TUNNEL-

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AVIATION NEWS . Arril 3, 1944

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CONTROVERSIAL PARACHUTE TYPES

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Aviation Calendar

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CARRIER SCRAPED:

Survey Asks Easier

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Tightened Draft Expected to Take Many More from Aircraft Industry

Few deferment requests for men under 22 likely to be sunporced; technical and engineering branches bardess his

By SCOTT HERSHEY

of the 4-P's in the 18 to 56 age

Select Committee Gets AAF Data For Early Start on Post-War Plans

Unified air force to be one of main points of program, with By WILLIAM G. KEY

Rayburn Lists Committee Members

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Allon Ch. 25.3, mumber of the

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FEDERAL DIGEST GMC Signs 35 Million Contract with DPC

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In continue Fuel pay, jet exclusing non-continuents, and the processing of the fuel fuel of the fuel of t marriedy plants:

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cin't spen affect to be cought AVIATION NEWS . April 5, 1944

I.S. Officials Discount Post-War Airline Competition by ATC

Military air transport organizations expected to be kept after ampierice for peacetime defense and training but not to detriment of commercial aviation. Washington consensus.

Pr BLAINS STUBBLIFIED

Boang speculation to air trans-

The speculation was stresslated Post-War Disturbances-If and

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NAVY AIRMEN MELT SNOW OFF WALK AT AMCHITKA-

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and arreraft workers. John M.



Curbs Competition-The agree CAB Urges Simpler petition with American series Certificate Rules

New Corefficate System - The

Future of Gliders In Post-War Upheld Laister-Kauffmann official says advancages will prove commer-

elider can be converted to ever-FCost Brdmond-Thy away cares reg," raid Whitehead. "In the

"We can enfely entireate that a

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He believes choece in tow will

Survey Shows Slim Light Planc Market

Terro University insurance proces The light plane market faces

He told a group of Austra, Yes . Diges Mass Market-"Unless the sarket," asserted Dr Frederick.

Canadian Car Maps

Posts War Program

tee has been set up by Canadian Car and Foundry Co. Ltd. Meetscale employment straining un-

on apportant factor in post-war h Mankata Strafford - Victor M. Day-

He sided that degisions reached tional Aircraft War Production

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Dodge Speeds Output Of 2,200 Hp. Wrights With employment at 50 percent tas 2,300 bp. Wright air-cooled en-

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Group Lists Aims

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Trans-Canada Plans

Toronto-Yukon Line

Goodyear Hits Peak

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THE AIR WAR

COMMENTARY

Pacific Air Campaign Capitalizing On Teamwork Tested in Libya

400 to 500-mile strides against enemy effected through prelamany softening-up operations before follow-up arracks by carrier-based phases and invasion forces.

The specincular success of the

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Air War Glossary

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Army's Over-Water Air Force-



"THROUGH THE WORLD'S dirtiest WEATHER

This is the Borne Road of the airl It handles the Let, over it, on a day and might shattle service, Cartina C-46 Communicion carry to Overa a greater weight of expplet than ever wound their was up the old Berma Rood, vary as much as 2000 feet in a day, instrument flying is the rule, oxygen in always required. Jap fighters pered the feg and Negs head-legaters want lickey.

Through this exelutery, Cartin Community less time of vital curry. Many of them have accomplated brandeck of hours of Birks time with body recratements other than that affered by the create dustition of term porary bases. These alones have mound their mount under the tourbest conditions keeper to dudy. They'll power it again when they make their hid as reaso time tenapports and me cappo carriers, Corline Would Carperature, Airphop Division, Suffale, St. Leave, Colum-





NEW IMPROVEMENTS FOR THE MITCHELL

Marshalls which were by-passed in

some weeks ago. These include Ja-

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h Other Members of the Tram -Doretless A-24B dive-homber Methicers (SEDC) and Avengers

AAF Surgeon Lauds Air Ambulance Role Air evocuation of sick and wounded service men in placed in

h The Photos 25 ... The relandation of General Grant reported the have been increased to four, with

Chandler Evans CARBURETORS

TOMORROW'S STRIKING FORCE

AVIATION NEWS . Aml 1, 1966

PERSONNEL

Jack Highs has become acting director periment in Weshington. He will be

William Selleck (photo) has an-

pented with a secoll mened by officers

interptory, broded by Lant Col. J.

Capt Bilder Birdenbacker will receive Diese H. White has been appointed graeral manager of U.S. Robber

perfluter rubber

traffic manager for Continental Air

W. Palk. Jr., who has received an w. Path. Mr. who has received an and test engineering. At the same

Housed F. Magineis, Jr., his been ag-Robert Van Broeboner (physic) in Westeral traffic office.













STORY OF A

PILOT AND











5 Teday, American Airbites in opening over yours mending 5,454 miles for pressure fields, for the Art Demograph Com-

the 'Fingships' flying and are making a ma-



AWARD FOR BURMA WORK

ress the Legion of Merit on the

tion section, ASC headquarters, for used during the earlier stages of war

figured A. Cascocks, chief equipment

Copt Felix E-Stamp and Copt Alford



PISTONS...PINS...

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McOuny-Norris is definitely air-minded. We are now sumpliers of precision parts to the world's largest makers of aircraft motors. Our 34 years' experience in precision manufacture enables us to meet every demand of modern aviation for sturdy, unfailing precision parts. Your inquiries

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Oil Sealing River Supercharger Rings

Harbired Abandreen Physics Counterweight Check Fine Herbined Housesiam Parts Cylinder Hold Down Nats

> PARTS FOR PROPELLER ASSEMBLY Machined Mannacium Parts

EQUIPMENT FOR MAINTINANCE OF AIRCRAFT

Pieters for Oxygen Plates Bines for Occase Pistons for Air Compresser Pins for Air Corposaser

Platen Sieum for Air LANDING GEAR PARTS Markings Absentours Posters religion or Cus-



Edward J. O Evina has been appointed during traffic manager at Phoenia





PAA CHIEF GETS LLD

Choneseage (right), air traffic execotion, and R. G. McLave, public

Goods Shorman W. Botts, USN, have re-Deat under the deputy chief of TELLING THE WORLD

Month C. Bouchever, of Hill and Encalion's New York office, has Fining Co., national advertising di-

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sonal form. A Ship to Remember, the story of the carrier Ecreet, wed-

In a series of national advertise-The TWA Advanced Technical

PRECISION WORKERS IN IRON, STEEL, ALUMINUM, BRONZE, MAGNESIUM



McQUAY-NORRIS MFG. CO. (AIRCRAFT DIVISION), ST. LOUIS, U.S. A. AVIATION NEWS . April 3, 1944

AVIATION NEWS . April 2, 1844

AIRCRAFT PRODUCTION

ACCA Clarifies Industry's Stand On Cost-Plus Plane Contracts

Aeronautical Chareber in statement urges continuance of avasen in view of ususual moves in meeting production moves. The second undustry's stend on continuencies that spirits some

Arronautical Chamber of Com- relating has not production goals Chamber halds with Under-Berretary of War Patternon that in gunization may be in the best post-

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NEW BILL HELICOPTER-

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F Terrestation poles under fixed.

hars it was true that, before the

Dust

IS CONTROLLED QUICKLY AND EFFECTIVELY

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Why Gulf Suni-Suil-Set is the practical answer to YOUR dust-annoyance problems

Bakir Medies - Gulf Sans Seil Set complexely eliminates dant annoyance transeducely after application. No long action of the compound its adhering to and weighing

ters bearing. Because of its expressely loss solutifies and tive for long periods. One application per season is berby Applied Gull Suni-Soil-Set is free-flowing, earour and feering saude nearly buildings to a granteen mail this coupen teday



Martin Lists Gains Despite Labor Loss

Despite Labor Loss
Net sides reposend almost doubled in face of fact 18,000 weekon left Bidmaner plant to entire
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COL, COL, Stockhelders are bold at Marrier report that the company as most report that the company as most report. When it is retent to plant. When it is reveable for stevens reasons to pultude the stevens reasons to pultude the stevens as the second your measurement form consisteting prompts of the assemble makes top, particularly over the Jean many. We fell that your company many. We fell that your company pust-war period.

Breeze Corps. Cut Accidents 59 Percent

A 58 percent decrease in acticate hast year, compared with 1945, is sported by Brenc Cirigo 1945, is sported by Brenc Cirigo 1946, is sported by Brench increase in the manker of suppliers. This compares with necessary and increase and incr



MOVABLE BGS AT BYAN PLANT

Juga for order using panel for four-engine boother at Ryan Assessment Orks, plant in Sax Diego. Ryan wakes side use of mounted three-power type Ryad countercities and three-point order or been places, appearing to Ryan engineers, eliminate recently of heavy boltom to do four foundations of the places, and the place of the place

Allison Hp. Output Reaches 60,000,000 Company's 10,000 th engine

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Pioneer . . . Blazing Air Trails

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Today. Keller's expanding suff of to Prace - when descionments in co.



OLDEST SOTARY WING AIRCRAFT MANUFACTURING COMPANY

AVIATION NEWS + April 3, 1844

Wright Corrects Wright Acronautacid Corp. repeats that 'Through a typogroup-

ACCA Backs NAA Private Flyer Plans

The reed for coordinated asvirtages to provide frees will be

Surplus Disposal Plan Held Stopgap New York WPB-Aircraft

lanched program to reduce

and error made in the stansages) and WPS is merely a steeming plan being utilized to reduce some Jan 1. 1944, should have read 154,200,000 " AVIATION NEWS, 10 (b) WPB representatives, so that for-

> The display opened Mar. 27 and handled by the AWPC, but no con

b Complete Reports-Full and acavailable by June. When a clear

Motors, Glenn L. Martin Co. Republic Avistion Corp. and Eclipse-Ret in the measure, 690 mann. begin



New plasme mean gas mutalleties, incorporated on all Borray Plying

bers and the public authentic in-AVIATION NEWS . Age: 3, 2944

Split Thousandths



diso's port in pracision production.

The part shown is a Steel Spay Terminol. The leh - to make more parts per hour with less tolerance than was ever thought possible hefore the war. The enswer - a 3L Heriscotts Hydronic Broathing Marking with special broach which with a special fixture made production and precision a matter of seconds rather then hours—a matter of solit thousands. rother then thousandhe





Canada Raises 1944 Plane Weight Quota Youl far your also increased bee

emphasis is on remarge rather Canadian account plants expect year on combat types now and that duped in Carnels last year was 20. \$53,844, compared with an esti-

rayled 23,438,660 this year Hones planes a wayoth to 17 by May and h Monarita Problems-"More problong have arisen with the pood se-

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> infinity but runged from 1,000. temper, 1936, to 122,000 today,

Bendix Salvage Plan of any other plane manufactured Segregation of metals by aller

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ada Air Lenes for its trans-Atlantic to H. F. Bundy, salvans manager during an average month the plant in 11 deflorent alloys, \$5,900 pounds

namer, about 8,000 exilons of cut-

Cross-Wind Landing Device Developed

Authorities in this country said vanced trainer, the Miles Magneter, The newly disclosed device is de-



PREDECESSOR OF FLYING FORTRESS: The Brance GA-2 of 1922, which moded 27 year can-the carron had a decreased sweep to 48 degrees are. 50 raisher murhise game, a brace of 20 celaber

ulate. The council may reported our above the land-

sed operated by remote control by either the for

TRANSPORT

Vast Fruit, Vegetable Potential Discussed at Detroit Meeting

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Innocational of the yest potential versuly. This one on the six cargo

Friedregs-Mars Indiag of the





HAWAIIAN LEIS FLOWN TO DETROIT MEETING:

Packaging Factor

Other factors bendes rates

ever, William Mare, of Council-Wayne, Mich. representate the

FCarse Petratial - The Wayne

by grapes, cantaloupes, electrics,

pears, horeydews, tongerises, ap- at retail counters in Detroit at ricots, peas, celery, peppers, cauliflower, beets, broccels, brussels Volume Traffic Urged-William available at 3 cents a ton-male, 589

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Prests Asked - William Goodst, executive vice-president of the Other openiors included L.

county study on the future place and ewed pointed More 'dara-

FC. S. Study Made-Principal

could be shapped past-war from

New Equipment Factor-"It may

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sufficient volume to purisfy continu-



CAB Cites Commercial Hazards In Aviation Reinsurance System

Soudy points our international business relationship whereby important data may much foreign increases to detriment of American world reads

By MERLIN MICKEL

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AVIATION NEWS . Avril 2, 1944





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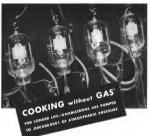
Seeing eye for an engine's blind spot

You can't determine as aircraft encousin full



James Soher a warrage to the pilet. Then he





These Gammatron tubes are being substituted to an exhaust process to severe that only tubes made with similatin elements can withstand it. They are "cooking" at \$0.00° F. runsing at this temperature from 30 to 40 minutes. At the same case they are bring pumped to creare a vacuum coult come tern-dilitated of atmospheric permitting coults one set remillificant of atmospheric permitting.

site, the best connected vasuum obtainable. Heists and Kaufman Ltd. has perfected such an ageous prunping process to presert Garmaicton tubes from flament bomberdment. If many gas molecules remain in an exystemed subsection crowding from the filament so the plate strike these molecules and ionize them. These ions, bring positive, darr mwand the flament, history to the flament of the plate strike these molecules and ionize them. These ions, bring positive, darr mwand the flament, history to the flament of the fl

of its coating. This action, termed filament bombardment, materially shortess the fife of a tube. The severity of the Heists and Kaufman exhausting process assures superior protection aroung filament bumbardment, and thus add to

hausting process assures superior protection against filament bomberdment, and thus adds to the operating life of all Gammatrons. (*Proceeds for our process over Dros at 200 000 000 1 of

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mixem for striam seurance alone for the period 1994-1943, and \$4,-977,945, or 25.9 period). For the period 1927-1941 when all classifications of avastian risks were considered.

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Liberators Used As Camera Planes

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CAB Hearing in N.Y.-Boston Case Centers on Need for Competition

Big four airlines and three smaller air carriers present orthogoments in dispute over applications for lucrative field.

By DANIELS WENTZ

into week in the New York-Supers.

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Application Asks Seartle-Miami Route Its of small carrier services plan

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Canadian Air Group Plans Flight Strips

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Feeder Hearings Set for April 5-6

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Associated Truck Lizes, 14 Eastern, 30, National, 15

Airlines May Have To Build Own Ports

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Burden Predicts 30% Air Fare Cur.

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Rails Issue Study Of Air Transport

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Survey Shows Airline Operations 7.3 Percent of Plane Traffic at Ports Check on fields serving 118 large cities reveals that military

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Airline Operations

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Filescy Investments Cited-To-AND ASSEMBLIES return for some time to come." plons.



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New Tail Wheel Unit

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FINANCIAL

Domestic Airlines Resume Plans For New Financing Operations

Total funds needed for entire air transport industry expected to reach 700 million during next ten years, according to estimore based on TWA's forecast of 100 million promined by 1954.

nest financial assistance. With Na-

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After a short breathant spell, the somewood in the National section Northwest Arrives will soon

B is reteworthy that Northwest | Baker Baker Birdler Ondenriol for new funds. Payeroble nature of airline operations, too.

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In the past, new meany has been

which ite't too diffuse for a mager-A Capitalos tion Didated - Housest. same additional financing, which resided in an increase from 484 ing (A risck fividend score-

> Ostfine ... The ultreate forward cough outline. TWA's executive Diversified Paper-The experi-

War Hazards Cited In Douglas Report Message recommerses fromted

The remarks of Donald W. Dour-

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tion to both stockholder and the Dishersements Out of 1943 operalsons, the company and \$345,-900,090 vs wages and salaries, \$50,-The number of

Tax Load Mounts

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276 nament year 1959. Printerlier FEmployment morecast 100 per-664 or August. Women appointed

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Douglas was the only manufac-

Financial Reports b Edward G. Budd Marafactering

\$666,000 for pest-wor convention

concesses has recessed until med-April without reports but in very few has it agreed with other C toking peoples action on uniform adustrial committees or other agencies working on the total some 16 billion dallars for all industries. Be- with itself. The chief strumbling block is-will the fore the war ends the notion may have completed. Senate try to push an overall reconversion but or that this is a post-war problem is following and on terminations, disposal of surplus property.

resen from 44th in national dollar volume to first, sect. A firm stand by the entire industry would have an important effect on Capital Hill

ing industries have no major objections to either of the George-Murray bills. These are S-1716 for contract termination, and S-1726, the Occarbus Demobilization Bill containing the programms of cock probably would have no objection to the gress is desperately needed on terminations Congress, however, is begord flows in duplies-Executave branch So far Congress has refused to take kindly to the Baruch report from the other

Printed Am Now at least 20 bills dealing with termination and representate hone considered exception, when a recoversion bill is introduced in the House a exercision resource is tought into

Leadership in the Service on this subject by more or less owners; agreement has been given tee of the Scrate Military Affairs Committee has Sen. Murray, has also attempted to direct legislation. Another active group has been a subcommittee of the Small Burness Committee, called from any source, provided if will do the job the Murray Contract Termination Committee

financing reconversion, re-employment and re-

On this question the Senate strashed recently and it is still seagged. Some wast to exact one Industry has not here entirely blameless. The measure typing it all up. Others say the subject is too but and should be divided. Meanwhile, noth-

On this account ages there has been oven more dusprecement and dissurity. Ben. Vinson inno reason. He would have expense mechanicy

Hen. Kefauver introduced a welrd hill similar in part to the Genree Bill. The Colour Committee. Committee, is in no sense moving in the same discotton. It has beld hearings, but has become Committee

There is look of agreement on the House side, rade of town. Petty realcasses no for have preon the Hill. Meserable, must observers believe. Commettee John Harcock testified that if it was a bill on terminations that the Committee wanted.

The Colour Correlates, the House Military tee, House Judiciary Cornerative-all are studying

Meanwhele. Mr Baruch showed that he was becommu nettled at Congressional marianty. He month and there seems to be little disposition on feature should not be a faster. Who cases where a plan for meeting the shocks of returning pence originates? For my own part, I will accept a plan-The George Committee has issued numerous dustry

Remor H Woon

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Finds Lost Horizons!

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